



**CONSTRUCTION DETAILS**

- A. DISCONNECT ALL EXISTING INTERCONNECT CABLE FROM EQUIPMENT INSIDE THE EXISTING CONTROLLER CABINET. PULL INTERCONNECT CABLE FROM EXISTING CONDUITS AND SPAN WIRE AND RE-ROUTE IN THE PROPOSED CONDUITS.
- B. INSTALL 3 IN. RISER AND WEATHERHEAD ON BG&E POLE #308522. RE-ROUTE EXISTING INTERCONNECT CABLE WHICH WAS DISCONNECTED FROM OLD EQUIPMENT CABINET (SEE DETAIL A).
- C. INSTALL 3 IN. SCHEDULE 80 RIGID PVC CONDUIT, TRENCHED. INSTALL NEW 12-PAIR JELLYFILLED UNDERGROUND INTERCONNECT CABLE.
- D. RELOCATE OVERHEAD INTERCONNECT CABLE TO NEW AND RELOCATED BG&E POLES.
- E. LOCATE EXISTING HANDHOLE AND PULL EXISTING INTERCONNECT CABLE BACK TO EXISTING HANDHOLE AND INSTALL CABLE IN PROPOSED CONDUIT. ADJUST THE FRAME AND COVER OF EXISTING HANDHOLE TO NEW GROUND ELEVATION.
- F. MAINTAIN EXISTING SIGNAL INTERCONNECT CONDUIT. EXISTING INTERCONNECT CABLE TO BE PULLED BACK TO BLACKBURN ROAD AND CONNECTED TO PROPOSED CONTROLLER CABINET. INSTALL 12-PAIR JELLYFILLED UNDERGROUND INTERCONNECT CABLE.
- G. INSTALL EXISTING INTERCONNECT CABLE IN PROPOSED CONDUIT (SEE DWG. NO. SP-03).
- H. INSTALL EXISTING INTERCONNECT CABLE IN EXISTING CONDUIT (INSTALLED DURING PHASE I) AND HANDHOLE (SEE DWG. NO. TP-05).
- I. INSTALL EXISTING INTERCONNECT CABLE WHICH WAS DISCONNECTED FROM OLD EQUIPMENT CABINET (SEE DETAIL A).
- J. INSTALL HANDHOLE.
- K. INSTALL NEW 12-PAIR JELLYFILLED UNDERGROUND INTERCONNECT CABLE IN PROPOSED CONDUIT (SEE DWG. NO. SP-03).
- L. INSTALL 4 IN. SCHEDULE 80 RIGID PVC CONDUIT, SLOTTED. INSTALL NEW 12-PAIR JELLYFILLED UNDERGROUND INTERCONNECT CABLE.
- M. MAINTAIN EXISTING SIGNAL INTERCONNECT. EXISTING INTERCONNECT CABLE TO BE PULLED BACK TO HANDHOLE (INSTALLED DURING PHASE I) AND RUN THROUGH NEW CONDUIT SYSTEM TO PROPOSED CONTROLLER CABINET.

**GENERAL NOTES**

- 1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE, EXCLUDING INTERCONNECT, TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE.
- 2. DISCONNECTING AND SPLICING OF INTERCONNECT CABLE SHALL BE PERFORMED BY MONTGOMERY COUNTY FORCES. THE CONTRACTOR SHALL RUN THE INTERCONNECT CABLE INTO THE BASE OF EACH CABINET AND PROPERLY TAG THE CABLE. CONTACT MR. BOB GONZALES AT (240) 777-8761 SEVENTY-TWO HOURS IN ADVANCE OF THE INTENDED WORK.
- 3. CONTACT MONTGOMERY COUNTY TRANSPORTATION SECTION 48 HOURS PRIOR TO ANY WORK, TO MARK EXISTING UNDERGROUND TRAFFIC SIGNAL EQUIPMENT (240) 777-2100.
- 4. IN AN EFFORT TO REUSE EXISTING INTERCONNECT CABLE RUNS THE CONTRACTOR SHALL PULL BACK EXISTING INTERCONNECT CABLE FROM THE EXISTING US 29/MD 198 SIGNAL CONTROLLER CABINET TO US 29/BLACKBURN ROAD INTERSECTION, AND NEW 12-PAIR JELLYFILLED INTERCONNECT CABLE SHALL BE INSTALLED BETWEEN THE PROPOSED CONTROLLER CABINETS AT THE US 29/BLACKBURN ROAD AND THE MD 198/OLD COLUMBIA ROAD INTERSECTIONS IN EXISTING CONDUIT, EXCEPT WHERE NOTED. EXISTING OVERHEAD INTERCONNECT WILL BE MAINTAINED ALONG MD 198 TO THE WEST, AND ALONG OLD COLUMBIA PIKE TO THE NORTH OF THE PROPOSED MD 198/OLD COLUMBIA PIKE INTERSECTION.
- 5. INSTALL NEW 12-PAIR JELLYFILLED UNDERGROUND INTERCONNECT CABLE ALONG MD 198 BETWEEN THE PROPOSED MD 198/OLD COLUMBIA PIKE AND PROPOSED MD 198/US 29 NB RAMPS INTERSECTIONS.
- 6. THE EXISTING OVERHEAD INTERCONNECT BETWEEN THE EXISTING MD 198/US 29 AND THE MD 198/MCKNEW ROAD INTERSECTIONS SHALL BE DISCONNECTED AT THE EXISTING MD 198/US 29 CONTROLLER. THE INTERCONNECT CABLE SHALL BE PULLED EAST TO BG&E POLE #232014 AT THE MD 198/STAR POINTE LANE INTERSECTION. THE PULLED INTERCONNECT CABLE SHALL BE INSTALLED IN A NEW CONDUIT SYSTEM TO THE PROPOSED CONTROLLER AT THE MD 198/US 29 NB RAMPS INTERSECTION.
- 7. SPLICING IS NOT PERMITTED, EXCEPT WHERE NOTED AT SPLICE CABINET.
- 8. WHERE APPLICABLE, HANDBOXES MUST BE ADJUSTED TO MATCH GRADE IN AREAS WHERE THERE ARE CHANGES TO THE EXISTING GRADE.
- 9. SEE DWG. SP-02 FOR ADDITIONAL SIGNAL EQUIPMENT INSTALLATION.

DWG. NO. IP-04

**MARYLAND DOT - STATE HIGHWAY ADMINISTRATION**  
*Office of Traffic & Safety*  
**TRAFFIC ENGINEERING DESIGN DIVISION**

**SIGNAL INTERCONNECT PLAN**  
 US 29 RELOCATION & INTERCHANGE IMPROVEMENTS  
 FROM SOUTH OF BLACKBURN RD. TO NORTH OF DUSTIN RD.

**WHITNEY BAILEY COX MAGNANI**  
 CONSULTING ENGINEERS  
 849 FAIRMOUNT AVENUE  
 SUITE 100  
 BALTIMORE, MD 21286  
 (410) 512-4500

DRAWN BY: M.E.V./J.E.H.	F.A.P. NO. AC-NH-G-109-I(45N)	TS NO. 175A-104	SHEET NO. 18 OF 20
CHECKED BY: M.J.A.	S.H.A. NO. M08675170		
SCALE: 1 IN. = 50 FT.	COUNTY: MONTGOMERY	T.I.M.S. NO. E856	
DATE: SEPTEMBER 2003	LOG MILE: 15002910.69		